API Monitoring Source Code

```
import logging
from flask import Flask, request, jsonify
import datetime

app = Flask(__name__)

# Configure logging
logging.basicConfig(filename='api_monitor.log', level=logging.INFO,
                    format='%(asctime)s - %(levelname)s - %(message)s')

# Function to log API activity
def log_api_activity(endpoint, method, ip, user_agent, response_size):
    logging.info(f"Endpoint: {endpoint}, Method: {method}, IP: {ip}, "
                 f"User-Agent: {user_agent}, Response Size: {response_size} bytes")

@app.route('/data', methods=['GET', 'POST'])
def data_api():
    user_ip = request.remote_addr
    user_agent = request.headers.get('User-Agent', 'Unknown')
    response_data = {"message": "Data request received", "timestamp": str(datetime.datetime.ut
    response_size = len(str(response_data))

    log_api_activity(request.path, request.method, user_ip, user_agent, response_size)

    return jsonify(response_data)

if __name__ == '__main__':
    app.run(debug=True)
```